GV-FE420 4MP H.264 Fisheye IP Camera

* GV-FE420 is excluded from Japan, EU and German market.

Introduction

The GV-FE420 is a fisheye camera that allows you to monitor all angles of a location using just one camera. The distorted hemispherical image of the fisheye camera will be converted into the conventional rectilinear projection.

Without installing any software, you can watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface using an IE browser. In addition, the GV-FE420 seamlessly integrates with the GV-System, providing advanced monitoring and video management features.

The GV-Fisheye IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount the GV-FE420 on the ceiling, Hard Ceiling Mount and In-Ceiling Mount. In-Ceiling Mount allows the GV-FE420 to be mounted into the ceiling, revealing a small portion of the camera.

Key Features

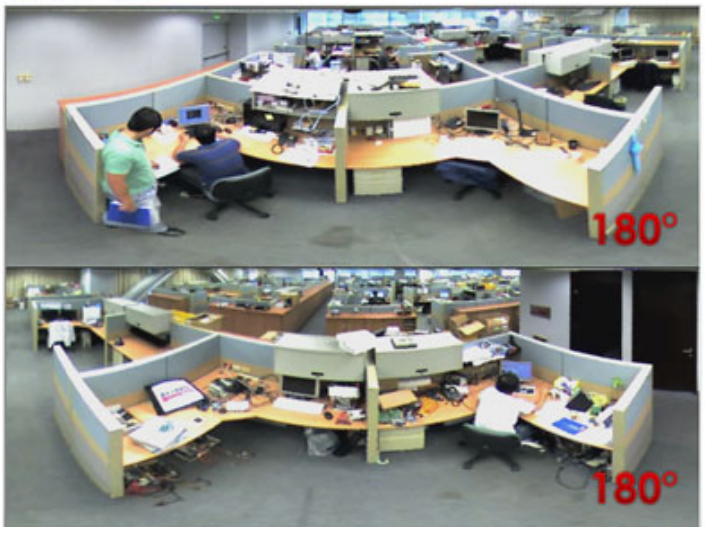
- 4MP progressive scan CMOS
- H.264 and MJPEG
- Digital Object Tracking
- Wide Dynamic Range (WDR)
- Electronic Day/Night function
- Provides 360 and 180 degrees panorama view
- No mechanical moving parts
- Built-in Web server for monitoring through IE browser
- Virtual PTZ function
- Auto Pan function
- Different angle of view accessible by multiple users at the same time
- Playback from any view angle and zoom level
- Privacy mask
- Visual automation
- Tampering alarm
- 2-way audio
- One sensor input and alarm output
- DC 12V / AC 24V / PoE
- Memory Card Slot
- 31 languages on web interface
- ONVIF conformant

* No Memory Card Slot & local storage function for Argentina.

Fisheye Source Image

Single View

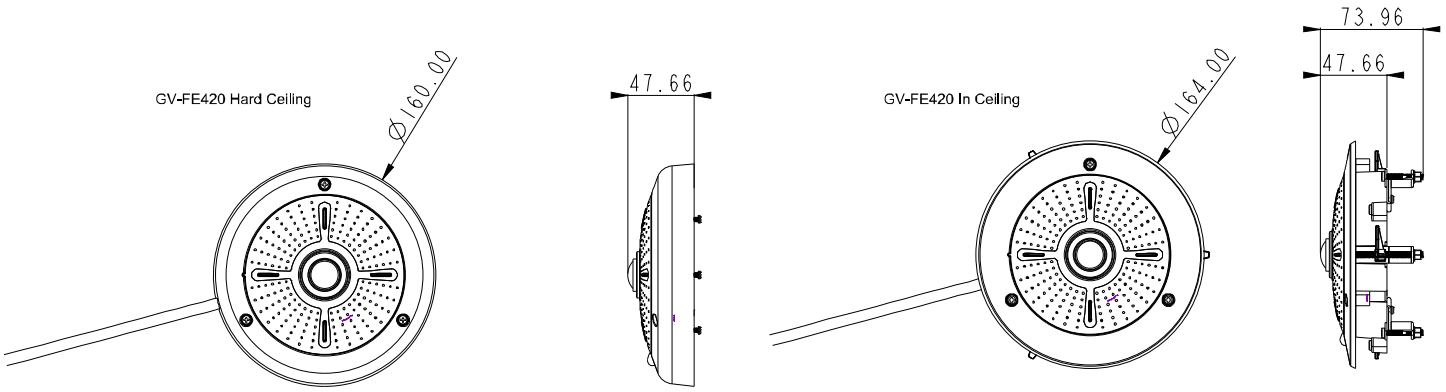
2 x 180° View



360° View

Quad View

SPECIFICATIONS



System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008 * 32-bit operation system is only supported in GV-System V8.5.0.0 or later
	64-bit	Windows 7 / Server 2008
GV-System Version		GV-System V8.4.0.0 with patch files or later
Browser		Internet Explorer 7.x or later
Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		2048 (H) x 1944 (V)
Minimum Illumination	Color	4 Lux (1/30 sec), 2 Lux (1/5 sec)
	B/W	
Shutter Speed		Automatic , Manual (1/5 - 1/8000 sec)
White Balance		Automatic, Manual (2800K~8500K)
Gain Control		Automatic
S/N Ratio		45 dB
Optics Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed Iris
Focal Length		1.05 mm
Aperture		F/2.8
Mount		M12, Pitch 0.5 mm
Image Format		1/2"
Operation	Focus	None
	Zoom	None
	Iris	Fixed
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Single stream from H.264 or MJPEG
Frame Rate		15 fps
Image Setting		Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Backlight Compensation, Image Orientation, Shutter Speed, Day / Night, WDR, Defog
Audio Compression		G.711, AAC (16 kHz / 16 bit) * AAC is only supported by GV-System V8.5 or later
Two-way Audio		Yes
Sensor Input		1 Digital Input (Dry Contact)
Alarm Output		1 Digital Output
Network		
Interface		10/100 Ethernet
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF
Mechanical		
Lens Mounting		M12, Pitch 0.5 mm / 0.02 in
Temperature Detector		Yes

Connectors Connectors	Power		Terminal block (3 pin), PoE
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector
	Audio		Built-in microphone and speaker
	Digital I/O		I/O Wire
	Auto Iris		None
	Local Storage		Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above)
	TV-Out		None
	Power		Terminal block (3 pin), PoE
General			
Environment Temperature			0 °C ~ 50 °C / 32 °F ~ 122 °F
Humidity			10% to 90% (no condensation)
Power Source			12V DC / 24V AC / PoE (IEEE802.3af)
Max. Power Consumption			5 W
Dimension	Camera Body	Hard-Ceiling Mount	ø 160 x 47.66 mm / 6.30 x 1.88 in
		In-Ceiling Mount	ø 164 x 47.66 mm / 6.46 x 1.88 in
	Cable Length		1 m / 3.28 ft
	Cable Diameter		ø 8 mm / 0.31 in
	Maximum Connector Diameter		ø 28.5 mm / 1.12 in
Weight			650 g / 1.43 lb
Regulatory			CE, FCC, C-Tick, RoHS compliant
Power over Ethernet			
PoE Standard			IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type			End-Span
PoE Power Output			Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface			
Installation Management			Web-based configuration
Maintenance			Firmware upgrade through Web Browser or Utility
Access from Web Browser			Camera live view, video recording, change video quality, bandwidth control, image snapshot, digital I/O control, audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Auto Pan function, virtual PTZ, motion detection, wide angle lens dewarping, text overlay
Language			Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
Applications			
Network Storage			GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Live Viewing			IE , GV-MultiView
CMS Server Support			GV-Control Center, GV-Center V2, GV-VSM

Note:

1. Specifications are subject to change without notice.